

VINESTER®



TOUGH VINYL ESTER LININGS FOR THE MOST DEMANDING ENVIRONMENTS

On a day-to-day basis, the surfaces in most industrial facilities face threats of corrosion, abrasion, elevated temperatures and chemical attack. To guard these structures, Tnemec offers the **Vinester** line of high-quality, reinforced vinyl ester linings.

These linings offer unmatched permeation-, chemical- and abrasion-resistance and can withstand the high temperatures typical of processes in power, pulp and paper, and petrochemical plants. From Flue Gas Desulfurization (FGD) units to thermophilic anaerobic digesters and chemical storage tanks, there's a Vinester lining system available to meet your facility's needs.

Tnemec's commitment to innovation, research and development has made Vinester the most complete and widely recognized line of vinyl ester products available to the industry. Tested for performance in the field and in the lab, these linings are proven to protect for years in the most intense environments.

FEATURES AND BENEFITS

- Superior abrasion resistance
- Outstanding adhesion
- Fast-cure capabilities
- Excellent chemical resistance
- Withstands high temperatures
- High-build film
- Multiple application options
- Application by spray, trowel or roll methods



WHELAN ENERGY CENTER – Hastings, Nebraska

Baghouses at this facility were showing corrosion in the clean air plenums. After completing a successful test application under typical operating conditions, Series 1436 Vinester was chosen to protect this coal-fired unit. With a normal operating temperature of 170°F (77°C), with excursions up to 175°F (79°C), and a gas composition of NO_x, SO_x, SO₃, HCl and HF, Vinester is formulated to perform in this harsh environment.

VINESTER PRODUCTS

SERIES 1428 An enhanced elevated temperature, glass-flake-filled, trowel-applied novolac vinyl ester lining for dry services up to 300°F (148°C).

[PRODUCT DATA SHEET \(PDS\)](#)

SERIES 1436 A high molecular weight (HMW), elevated temperature service, glass-flake-filled novolac vinyl ester lining. Can be used as a topcoat, as a stand-alone product or as part of a multi-layer laminate system.

[PRODUCT DATA SHEET \(PDS\)](#)

SERIES 1438 An enhanced high temperature, glass-flake-filled, novolac vinyl ester lining with proprietary materials for increased corrosion resistance. Can be spray- or roller-applied and is approved for dry and wet environments up to continuous dry service of 360°F (182°C) and spikes of 400°F (204°C).

[PRODUCT DATA SHEET \(PDS\)](#)

SERIES 1439 An elevated temperature, abrasion-resistant novolac epoxy vinyl ester lining with a proprietary blend of abrasion resistant powders and ceramics. Suitable for areas of wear, impingement and/or impact, providing outstanding protection to the interior of tanks, vessels and duct work.

[PRODUCT DATA SHEET \(PDS\)](#)

SERIES 1444 A high-build, silica-free, vinyl ester lining with corrosion resistant graphite and other specialty fillers for improved non-stick characteristics. Prevents material build-up and offers improved cleaning properties.

[PRODUCT DATA SHEET \(PDS\)](#)

SERIES 1448 An enhanced, elevated temperature graphite filled lining ideal for service where silica free linings are preferred such as very high alkali environments and chemicals containing fluosilicic acids.

[PRODUCT DATA SHEET \(PDS\)](#)

THE RIGHT SYSTEM FOR YOUR PROJECT

[CONTACT](#)

For help determining the best coating system for your needs, contact your local Tnemec representative. They are among the most tenured and knowledgeable experts in the industry and can help you understand the benefits of specifying and applying the ideal coating system on your structures.

Published technical data, instructions and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability and product information, please refer to Tnemec Product Data Sheets at tnemec.com or contact your Tnemec technical representative. © Tnemec Company, Inc. 2023 FLYVIN